```
Dialog level 02.11.01D

Last logoff:  12dec02 17:24:22
Logon file405 13dec02 16:38:40
? b 411
     13dec02 16:38:47 User217743 Session D588.2
        $0.00    0.072 DialUnits File410
    $0.00  Estimated cost File410
    $0.01  TELNET
    $0.01  Estimated cost this search
    $0.01  Estimated total session cost   0.239 DialUnits File 411:DIALINDEX(R)

DIALINDEX(R)
  (c) 2002 The Dialog Corporation plc

*** DIALINDEX search results display in an abbreviated *** *** format unless you enter the SET DETAIL ON command. ***
? set files biochem
>>>        162 is unauthorized
>>>1 of the specified files is not available
  You have 22 files in your file list.
  (To see banners, use SHOW FILES command)
? s carbonic()anhydrase()(6 or vi)

Your SELECT statement is:
  s carbonic()anhydrase()(6 or vi)

       Items  File
       -----  ----
         32    5: Biosis Previews(R)_1969-2002/Dec W2          24   34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W3
       6   50: CAB Abstracts_1972-2002/Nov
          2   65: Inside Conferences_1993-2002/Dec W2          14   71: ELSEVIER BIOBASE_1994-2002/Dec W2
         20   73: EMBASE_1974-2002/Dec W2
          1   94: JICST-EPlus_1985-2002/Oct W1
          1   98: General Sci Abs/Full-Text_1984-2002/Nov       3  143: Biol. & Agric. Index_1983-2002/Nov
8  144: Pascal_1973-2002/Dec W2
         25  155: MEDLINE(R)_1966-2002/Nov W3
          2  305: Analytical Abstracts_1980-2002/Dec W1        20  399: CA SEARCH(R)_1967-2002/UD=13724
          1  434: SciSearch(R) Cited Ref Sci_1974-1989/Dec
  14 files have one or more items; file list includes 22 files.
? rf
Your last SELECT statement was:
  S CARBONIC()ANHYDRASE()(6 OR VI)

Ref      Items  File
---      -----  ----
N1         32    5: Biosis Previews(R)_1969-2002/Dec W2 N2        25  155: MEDLINE(R)_1966-2002/Nov W3
N3         24   34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W3 N4        20   73: EMBASE_1974-2002/Dec W2
N5         20  399: CA SEARCH(R)_1967-2002/UD=13724
N6         14   71: ELSEVIER BIOBASE_1994-2002/Dec W2
N7          8  144: Pascal_1973-2002/Dec W2
N8          6   50: CAB Abstracts_1972-2002/Nov
N9          3  143: Biol. & Agric. Index_1983-2002/Nov N10        2   65: Inside Conferences_1993-2002/Dec W2   14
files have one or more items; file list includes 22 files.
      - Enter P or PAGE for more -
? b n2, n1
     13dec02 16:39:47 User217743 Session D588.3
        $1.84    1.051 DialUnits File411
    $1.84  Estimated cost File411
```

$0.43 TELNET
$2.27 Estimated cost this search
$2.28 Estimated total session cost 1.290 DialUnits
SYSTEM:OS - DIALOG OneSearch
File 155:MEDLINE(R) 1966-2002/Nov W3
*File 155: For updating information please see Help News155. Alert feature enhanced with customized scheduling. See HELP ALERT. File 5:Biosis Previews(R) 1969-2002/Dec W2
(c) 2002 BIOSIS
*File 5: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.

Set Items Description
--- ----- -----------
? s carbonic()anhydrase()(6 or vi)
17359 CARBONIC
14655 ANHYDRASE
2750027 6
102308 VI
S1 57 CARBONIC()ANHYDRASE()(6 OR VI)
? s s1 and py>2000
57 S1
1894373 PY>2000
S2 7 S1 AND PY>2000
? s s1 not s2
57 S1
7 S2
S3 50 S1 NOT S2
? rd
...examined 50 records (50)
...completed examining records
S4 31 RD (unique items)
? s s4 and (fsh or follicle()stimulating()hormone or follitrop?in) 31 S4
46887 FSH
71773 FOLLICLE
190040 STIMULATING
615334 HORMONE
41424 FOLLICLE(W)STIMULATING(W)HORMONE
7 FOLLITROP?IN
S5 0 S4 AND (FSH OR FOLLICLE()STIMULATING()HORMONE OR FOLLITROP?IN)
? t s4/3,ab/all

4/3,AB/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10991017 20568328 PMID: 11001942
Molecular cloning and characterization of GalNAc 4-sulfotransferase expressed in human pituitary gland.
Okuda T; Mita S; Yamauchi S; Fukuta M; Nakano H; Sawada T; Habuchi O Department of Life Science, Department of Chemistry, Aichi University of Education, Kariya, Aichi 448-8542, Japan.
Journal of biological chemistry (UNITED STATES) Dec 22 2000, 275 (51) p40605-13, ISSN 0021-9258 Journal Code: 2985121R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
We have previously cloned chondroitin-4-sulfotransferase (C4ST) cDNA from mouse brain. In this paper, we report cloning and characterization of GalNAc 4-sulfotransferase (GalNAc4ST), which transfers sulfate to position 4 of the nonreducing terminal GalNAc residue. The obtained cDNA contains a single open reading frame that predicts a type II transmembrane protein composed of 424 amino acid residues. Identity of the amino acid sequence between GalNAc4ST and human C4ST was 30%. When the cDNA was transfected in COS-7 cells, sulfotransferase activity toward *carbonic*

4/3,AB/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10527334 20036316 PMID: 10567219

Structure of the *carbonic* *anhydrase* *VI* (CA6) gene: evidence for two distinct groups within the alpha-CA gene family. Jiang W; Gupta D

Department of Biochemistry, The Pennsylvania State University College of Medicine, Hershey, PA 17033, USA. weipingj@rndsystems.com

Biochemical journal (ENGLAND) Dec 1 1999, 344 Pt 2 p385-90, ISSN 0264-6021 Journal Code: 2984726R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

The secreted carbonic anhydrase (CA VI) is believed to be one of the oldest mammalian CAs in evolutionary terms. To elucidate its gene structure and compare it with other members of the alpha-CA family, we cloned genomic fragments encoding the bovine CA6 gene and determined its exon/intron organization. The gene spans approx. 25 kb and consists of eight exons and seven introns. Exon 1 encodes the 5' untranslated region, the signal peptide and the N-terminus of the mature enzyme. Exon 8 encodes the 3' untranslated region and the C-terminal extension that is unique to CA VI. Exons 2-7 encode the CA domain, which shows significant sequence similarity to other CAs. Two distinct groups exist in the alpha-CA family on the basis of a comparison of the known gene structures. One group consists of the cytoplasmic (CA I, II, III and VII) and mitochondrial (CA V) members. The other group consists of the membrane-bound (CA IV and IX) and secreted (CA VI) members. In particular, the seven exon/intron boundaries in the CA domain of the CA6 gene are conserved in the CA9 gene, which encodes the multidomain protein CA IX that is overexpressed in tumours and has transforming potential.

4/3,AB/25 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

11504644 BIOSIS NO.: 199800285976
Carbonic anhydrase IV and VI mRNA expression in human pancreas. AUTHOR: Nishimori I(a); Fujikawa-Adachi K(a); Sakamoto S(a); Morita M(a); Onishi S(a); Yonezawa S; Hollingsworth M A
AUTHOR ADDRESS: (a)First Dep. Internal Med., Kochi Med. Sch., Kochi 783** Japan
JOURNAL: Gastroenterology 114 (4 PART 2):pA486 April 15, 1998 CONFERENCE/MEETING: Digestive Disease Week and the 99th Annual Meeting of the American Gastroenterological Association New Orleans, Louisiana, USA May 16-22, 1998
SPONSOR: American Gastroenterological Association
ISSN: 0016-5085
RECORD TYPE: Citation
LANGUAGE: English
1998